

# Summary of 1.4.0 vs 1.3.13

This is a summary of the updates available in 1.4 that are not in the 1.3.13 release:

## Major Updates:

- \* Signer Engine: Input and Output DNS Adapters.
- \* Signer Engine: Zonefetcher has been removed.
- \* OPENDNSSEC-130: libhsm: The PIN is now optional in conf.xml. The PIN can be entered using "ods-hsmutil login" and is stored in shared memory. The daemons will not start until this has been done by the user.
- \* Auditor: The Auditor has been removed.
- \* ods-ksmutil: Deprecate the one-step key backup command
- \* OPENDNSSEC-292: Provide scripts to convert database between different supported formats

## Minor Updates:

- \* OPENDNSSEC-359: Remove eppclient
- \* OPENDNSSEC-258: ods-ksmutil: Optionally include cka\_id in output to DelegationSignerSubmitCommand.
- \* OPENDNSSEC-10: ods-ksmutil: Include key size and algorithm in "key list" with -v flag.
- \* OPENDNSSEC-28: ods-ksmutil: "key list" shows next state with -v flag.
- \* OPENDNSSEC-35: ods-ksmutil: "rollover list -v" now includes more information on the KSKs waiting for the ds-seen command.
- \* OPENDNSSEC-83: ods-ksmutil: "key generate" now displays how many keys will be generated and presents the user with the opportunity to stop the operation.
- \* OPENDNSSEC-367: ods-ksmutil: Require user confirmation if the algorithm for a key is changed in a policy (as this rollover is not handled cleanly)
- \* ods-ksmutil: Add warnings on "key export --ds" if no active or ready keys were seen, or if both were seen (so a key rollover is happening).
- \* OPENDNSSEC-263: Signer Engine: Added EDNS0 support, so that zone transfers and SOA requests with OPT RRs are possible.
- \* ods-ksmutil: "zone delete" renames the signconf file; so that if the zone is put back the signer will not pick up the old file.
- \* ods-ksmutil: "key delete" added. It allows keys that are not currently in use to be deleted from the database and HSM.
- \* OPENDNSSEC-1: Enforcer: Check DelegationSignerSubmitCommand exists and can be executed by ods-enforcerd.
- \* Enforcer: Add indexes for foreign keys. (sqlite only, MySQL already has them.)
- \* Enforcer: Key label logging upon deletion (#192 Sebastian Castro)
- \* Enforcer: Stop multiple instances of the Enforcer running by checking for the pidfile at startup. If you want to run multiple instances then a different pidfile will need to be specified with the -P flag.
- \* Enforcer/ods-ksmutil: Give a more descriptive error message if the <Datastore> tag in conf.xml does not match the database-backend set at compile time.
- \* ods-ksmutil: Prevent MySQL username or password being interpreted by the shell when running "ods-ksmutil setup"
- \* OPENDNSSEC-124: ods-ksmutil: Suppress database connection information when no -v flag is given.

## Development Updates:

- \* OPENDNSSEC-315: "ods-hsmutil logout" will delete any credentials in the shared memory.
- \* OPENDNSSEC-320: Signer Engine: The <ProvideTransfer>, <Notify>, <AllowNotify> and <RequestTransfer> elements are now optional, but if provided they require one or more <Peer> or <Remote> elements.
- \* OPENDNSSEC-226: Change in conf.xml: Configure the DNS listener IP address with /Listener/Interface/Address instead of /Listener/Interface/IPv{4,6}.
- \* OPENDNSSEC-262: Signer Engine: Make DNS Adapter ACL optional.
- \* OPENDNSSEC-350: Signer Engine: Better log message when IXFR is not ready for reading.

## Bugfixes:

- \* Enforcer/ods-ksmutil: Use TTLs from KASP when generating DNSKEY and DS records for output.
- \* OPENDNSSEC-388: Signer Engine: Internal serial should take into account the inbound serial.
- \* SUPPORT-50/51: Signer Engine: Inbound DNS Adapter incorrectly updates NSEC3PARAM and DNSKEY RRset [OPENDNSSEC-389]
- \* OPENDNSSEC-389: Input DNS Adapter incorrectly updating NSEC3PARAM and DNSKEY RRsets
- \* SUPPORT-44: Signer Engine: Drop privileges after binding to socket [OPENDNSSEC-364].
- \* Signer Engine: XFR not ready should not be a fatal status for task read (thanks Ville Mattila).
- \* OPENDNSSEC-365: Enforcer: Nasty bug where KSKs could get prematurely retired.
- \* SUPPORT-40: Signer Engine: Keep occluded data in signed zone files/transfers.
- \* OPENDNSSEC-349: Enforcer: Fix some memory leaks in the enforcer found by valgrind.
- \* OPENDNSSEC-353: Signer Engine: Add/remove NSEC3s for empty non-terminals between apex and delegation when DS is added/removed.
- \* libhsm: Fixed PIN handling on OpenBSD.
- \* Enforcer: If enabled enforcer workers and configured number of workers is 1, make sure that enforcer runs the signer update command after signer configuration change.
- \* Signer Engine: Don't add double RRSIGs generated by the same key for the DNSKEY RRset.
- \* Signer Engine: Rollback incompleting zone transfers on disk (could happen if a connection was reset during transfer).
- \* Multi-threaded enforcer: various minor fixes including deadlock problems.
- \* OPENDNSSEC-255: Signer Engine: OpenDNSSEC 1.4.0a1 writes out mangled RRSIG record.
- \* OPENDNSSEC-269: Signer Engine: Crash when multiple threads access ixfr struct.
- \* OPENDNSSEC-281: Commandhandler sometimes unresponsive.
- \* OPENDNSSEC-318: Signer Engine: Don't stop dns and xfr handlers if these threads have not yet been started.
- \* OPENDNSSEC-319: Signer Engine: Fix TSIG segfault on signer shutdown.
- \* OPENDNSSEC-325: Signer Engine: Don't include RRSIG records when DO bit is not set.
- \* OPENDNSSEC-326: Signer Engine: Stop serving a zone that could not be transferred from master and has been expired.
- \* SUPPORT-27: ods-ksmutil: simplify zone delete so that it only marks keys as dead (rather than actually removing them). Leave the key removal to purge jobs.
- \* SUPPORT-29: Signer Engine: Fix ods-signer clear <zone> command exits prematurely [OPENDNSSEC-289].
- \* OPENDNSSEC-278: ods-ksmutil processes waiting forever to get DB lock
- \* OPENDNSSEC-290: Signer Engine: Fix false conflict when changing CNAME into other RRtype.
- \* Fix assertion error when printing signed zone with empty non-terminals and NSEC.
- \* Make setting QUERY ID in XFR requests more random.
- \* OPENDNSSEC-252: Signer Engine: Mark xfrhandler started, so that we don't try to join a non-existing thread on exit.
- \* OPENDNSSEC-259: Signer Engine: Fix assertion failure for outbound AXFR for large zones.
- \* OPENDNSSEC-264: Signer Engine: Fix assertion error on reading IXFR from backup.
- \* OPENDNSSEC-265: Signer Engine: Fix crash in corner cases when signing zone with NSEC3 and Opt-out.
- \* OPENDNSSEC-267: Signer Engine: Sign NOTIFY OK response with TSIG, if present in the query and ACL.
- \* Bugfix #246: Less confusing text for XML validation in ods-kaspcheck.
- \* ods-ksmutil: "update kasp" now reflects changes in policy descriptions.
- \* ods-ksmutil: Policy descriptions now have special characters quoted.
- \* ods-ksmutil: Fix typo in policy export with NSEC3.